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method is preferably applied in the downlink of the FDD mode of UMTS mobile radio systems.

In the claims:

On page 13, cancel line 1, and substitute the following left-hand justified
5 heading therefor:

We Claim as Our Invention:

Please cancel claims 1-10, without prejudice, and substitute the following claims therefor:

11. A method for transmitting data over a radio interface between a base
10 station and a plurality of subscriber stations in a radio communication system, the method comprising the steps of:

distinguishing channels in a broadband frequency band using individual spread codes, wherein at least one common channel is allocated to a plurality of connections existing in parallel for use at successive times;

15 signaling in-band a subsequently valid allocation of the at least one common channel for one of the plurality of connections in at least one of the channels of the data transmission using a data rate allocated to the connection;

agreeing upon a relationship between the allocated data rate and the at least one common channel to be used in a separate signaling channel; and

20 transmitting the data in the at least one of the channels for data transmission based on the allocation.

12. A method for transmitting data over a radio interface between a base station and a plurality of subscriber stations in a radio communication system as
25 claimed in claim 11, wherein, within one of the plurality of connections between the base station and a subscriber station, a combination of data for a plurality of services is transmitted within at least one channel, with each of the combination, the data rate and the allocation of the common channels being signaled using TFCI values.

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13. A method for transmitting data over a radio interface between a base station and a plurality of subscriber stations in a radio communication system as claimed in claim 11, wherein the transmission of data occurs in a downlink direction from the base station to the plurality of subscriber stations.

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14. A method for transmitting data over a radio interface between a base station and a plurality of subscriber stations in a radio communication system as claimed in claim 13, wherein a largest possible number of channels are allocated as the common channels, with at least one channel per connection being allocated

10 exclusively.

15. A method for transmitting data over a radio interface between a base station and a plurality of subscriber stations in a radio communication system as claimed in claim 14, wherein the common channels are allocated for connections

15 having a high maximum data rate.

16. A method for transmitting data over a radio interface between a base station and a plurality of subscriber stations in a radio communication system as claimed in claim 14, wherein the common channels are allocated for connections

20 having high data rate dynamics.

17. A method for transmitting data over a radio interface between a base station and a plurality of subscriber stations in a radio communication system as claimed in claim 11, wherein, for a subset of the data rates, the in-band signaling

25 can be used to select a plurality of combinations of channels for a connection.

18. A method for transmitting data over a radio interface between a base station and a plurality of subscriber stations in a radio communication system as claimed in claim 11, wherein a relationship between the allocated data rate and the

30 common channels to be used is agreed upon at connection setup.

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